

L Number	Hits	Search Text	DB	Time stamp
1	240	128/898.ccls. and bone same joint	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 07:45
2	78	623/908	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 07:57
3	66	(623/908).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 07:58
4	1	((623/908).CCLS.) and (submucosa\$ or mucosa\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 07:59
5	1	623/908 and (submucosa\$ or mucosa\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 08:00
6	7	(128/898.ccls. and bone same joint) and (submucosa\$ or mucosa\$)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2002/06/28 08:00

	Document	I	R	Source	Issue	Page
1	US 2001002			US-	20010920	11
2	US 2001000			US-	20010531	11
3	US 5997575			USP	19991207	13

(12) **Patent Application Publication**
Plouhar et al.

(10) Pub. No.: US 2001/0023373 A1
(43) Pub. Date: Sep. 20, 2001

(54) **TISSUE GRAFT CONSTRUCT FOR
REPLACEMENT OF CARTILAGINOUS
STRUCTURES**

International application No. PCT/US97/04527, filed on Apr. 4, 1997, which is a continuation-in-part of application No. 08/628,773, filed on Apr. 5, 1996, now Pat. No. 5,785,625.

Publication Classification

(51) Int. Cl. A61F 2/02

(52) U.S. Cl. 623/23.72; 623/13.17; 623/18.11

(57) **ABSTRACT**

A reconstructive structure for a cartilaginous element having a plurality of superimposed layers of intestinal submucosa tissue compressed and secured together and shaped to provide a reconstructive structure having the anatomical shape of the cartilaginous element to be reconstructed is described. The method of forming the reconstructive structure includes superimposing the planar layers of the intestinal submucosa tissue, securing the layers to form a multi-layered structure and cutting the resulting multi-layered structure to the desired shape.

(76) Inventors: Pamela L. Plouhar, South Bend, IN (US); Michael D. Dunn, Smyrna, GA (US); Jerry L. Lowry, Bourbon, IN (US); Thomas C. May, Winona Lake, IN (US)

Correspondence Address:
BARNES & THORNBURG
1313 Merchants Bank Building
11 South Meridian Street
Indianapolis, IN 46204 (US)

(21) Appl. No.: 09/767,346

(22) Filed: Jan. 23, 2001

Related U.S. Application Data

(60) Division of application No. 08/913,771, filed on Dec. 17, 1997, now Pat. No. 6,176,880, which is a 371 of

